

इंटरनेट

मानक

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

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“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 4470 (1976): All metal leasing reeds for warping [TXD
14: Machinery for Fabric Manufacture]



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“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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Indian Standard
SPECIFICATION FOR
ALL-METAL LEASING REEDS FOR WARPING
(First Revision)

1. Scope — Prescribes requirements of all-metal straight leasing reeds with vertical dents for use on cotton and silk warping machines.

2. Materials

2.1 Dents — Shall be of bright mild steel flat wire (reed wire) with sulphur and phosphorus not exceeding 0.05 percent each having tensile strength of 60 to 90 kgf*/mm².

2.2 Baulks — Shall be of flat tinned mild steel strips.

3. Workmanship — The reed should be straight and free from rust. Dents should be well polished and their edges round and finished smooth. The solder at the top and bottom spacing wires should not protrude between the dents. Solder blocks of uniform length and in straight rows should be rigidly fixed between the dents and finished smooth at the ends.

4. Dimensions — See also Fig. 1.

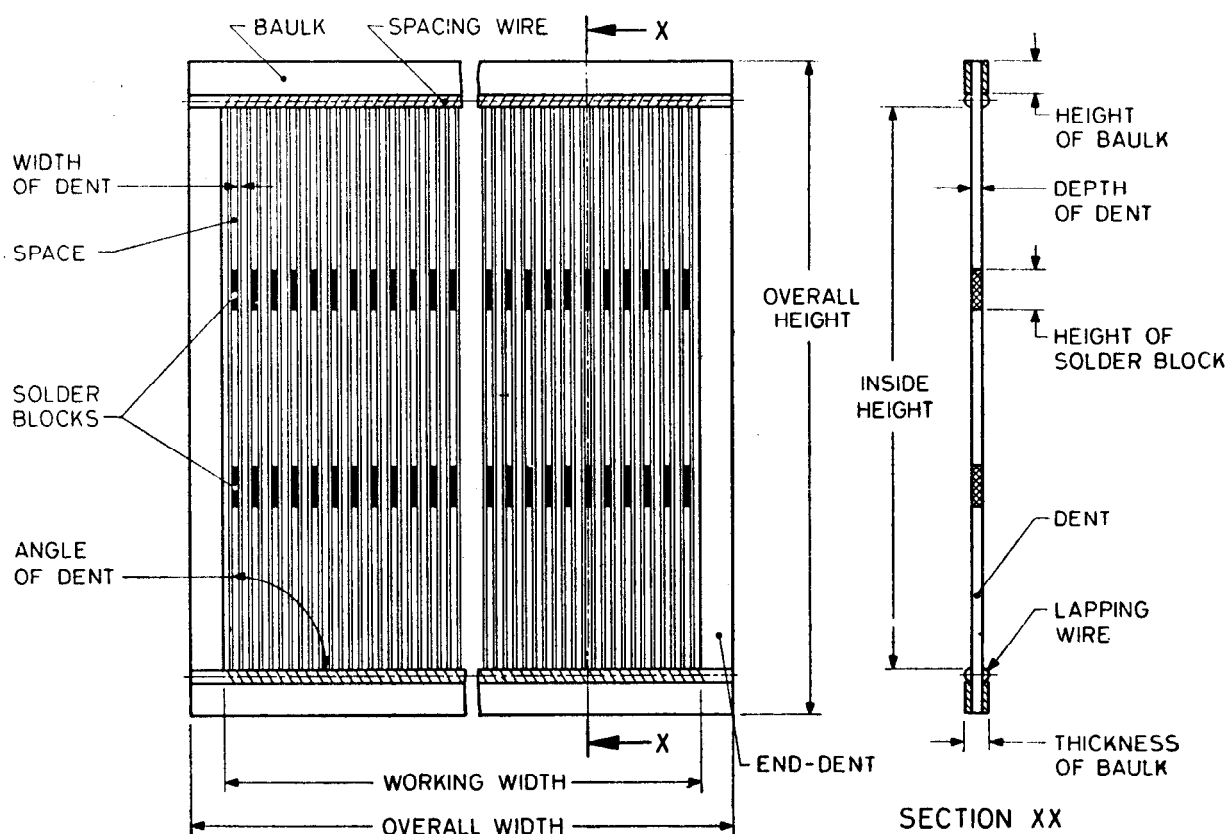


FIG. 1 ALL-METAL LEASING REED FOR WARPING

4.1 Total Number of Dents — As agreed.

4.2 Overall Width — As agreed ± 2 mm.

*1 kgf = 9.8 N.

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4.3 Baulk Height — 8, 9, 10, 11, 12 or 15 mm, subject to a tolerance of ± 1 mm.

4.4 Angle of Dent — $90 \pm 1^\circ$.

4.5 Other Dimensions

	Working Width mm	Overall Height mm	Depth of Dent mm	Thickness of Baulk mm
	280 or 500	200	2.00 or 2.50	4.00, 4.50 or 5.00
	995	450	3.00	4.50 or 5.50
Tolerance	± 2	± 1	± 0.04	± 0.25

5. Designation — Reeds shall be designated as follows:

Total number of dents \times working width (mm) \times depth of dent (mm)

6. Marking — Each leasing reed shall be punched at the baulk with designation (see 5); name of the manufacturer, initials or trade-mark, if any.

6.1 Certification Marking — Details available with the Bureau of Indian Standards.

7. Packing — Each leasing reed after having been applied with rust-preventive oil shall be wrapped in wax paper with adequate overlap. An agreed number of such wrapped reeds shall be bundled in a waterproof paper and the bundles securely packed in a wooden case.